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Edward C. Benzel

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EXAMINER

HARVEY, JULIANNA NANCY

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/731,964

Applicant(s)

BENZEL ET AL.

Examiner

Julianna N. Harvey

Art Unit

3733

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 4-47 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 4-47 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S5108)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

In light of Applicant's amendments to claims 7 and 25, the 35 U.S.C. 112 rejection of these claims, as stated in the 12 May 2008 Office Action, has been withdrawn.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. This claim is indefinite because, based on the language of the claim, it is unclear whether the limitation "that is engageable with said first mounting member to guide movement of said first retaining member into position between the first and second vertebrae" is modifying the guide or the outer surface of the guide. Applicant's arguments (pages 21-22) filed on 14 August 2008 seem to imply that the aforementioned limitation is intended to modify the outer surface of the guide. As such, the examiner is interpreting the claim such that the limitation modifies the outer surface of the guide. However, Applicant is still required to amend the claim to eliminate the confusion caused by the claim language.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 46 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claim positively recites a human by stating that the "first mounting member extends out of the first vertebra." A claim directed to or including within its scope a human is not considered to be patentable subject matter under 35 U.S.C. 101. The grant of a limited, but exclusive property right in a human being is prohibited by the Constitution. *In re Wakefield*, 422 F.2d 897, 164 USPQ 636 (CCPA 1970).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 4, 7, 8, 12, 13, 16-22, 25, 26, 30, 32-34, and 41-47 are rejected under 35 U.S.C. 102(e) as being anticipated by Ross et al. (US 2003/0187506 A1). The

applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding **claim 1**, Ross et al. disclose an apparatus for replacing a damaged spinal disc in a spinal column, the apparatus comprising: an artificial disc, the artificial disc including a resilient core ("20") having a first surface and a second surface, a first retaining member ("22") connected to the first surface of the resilient core, and a second retaining member ("24") connected to the second surface of the resilient core, the first retaining member having an outer surface engageable with a first vertebra of the spinal column (if one so desired, one could engage the outer surface with a first vertebra) and an inner surface facing the first surface of the resilient core, the second retaining member having an outer surface engageable with a second vertebra of the spinal column (if one so desired, one could engage the outer surface with a second vertebra) and an inner surface facing the second surface of the resilient core, the outer surfaces of the first and second retaining members facing away from each other; and a first mounting member ("14") connectable with the first vertebra and the artificial disc to position the artificial disc between the first and second vertebrae, the first mounting member being engageable with the artificial disc after being connected to the first vertebra to guide movement of the artificial disc into position between the first and

second vertebrae, the first retaining member including a guide ("30a") with an outer surface that extends outwardly (para. 0041 indicates that the location of the male "30a" and female "30b" dovetails can be reversed) from the outer surface of the first retaining member and that is engageable with the first mounting member to guide movement of the first retaining member into position between the first and second vertebrae (Fig. 3B inset). Regarding **claim 4**, Ross et al. disclose that the guide is engageable with the surface of the first vertebra (if one so desired, one could engage the guide with the first vertebra). Regarding **claim 7**, Ross et al. disclose that the first retaining member includes a stop engageable with the first mounting member to prevent relative movement between the first retaining member and the first mounting member in a first direction (Fig. 3B inset; keep in mind the reversal of the dovetails "30a" and "30b"). Regarding **claim 8**, Ross et al. disclose that the stop guides movement of the first retaining member relative to the first mounting member in a second direction transverse to the first direction (the retaining member would be able to move into the page but not side-to-side). Regarding **claim 12**, Ross et al. disclose that the first mounting member is engageable with a surgical tool for connecting the first mounting member to the first vertebra (if one so desired, one could engage the mounting member with a surgical tool). Regarding **claim 13**, Ross et al. disclose that the first mounting member includes a recess (para. 0041 indicates that the location of the male and female dovetails can be reversed) into which a portion of the surgical tool extends for connecting the first mounting member to the surgical tool (one could use a surgical tool with a dovetail extension to accomplish this). Regarding **claim 16**, Ross et al. disclose that the first

mounting member is prevented from moving relative to the artificial disc when the first mounting member is connected to the artificial disc (para. 0043). Regarding **claim 17**, Ross et al. disclose that the first mounting member is connected to the artificial disc with an interference fit (para. 0041). Regarding **claim 18**, Ross et al. disclose that the first mounting member has a frustoconical surface engageable with a frustoconical surface on the artificial disc (the male and female dovetails are frustoconical surfaces). Regarding **claim 19**, Ross et al. disclose a second mounting member ("16") connectable with the second vertebra and the artificial disc to position the artificial disc between the first and second vertebrae, the second mounting member being engageable with the artificial disc to guide movement of the second retaining member into position between the first and second vertebrae (Fig. 3B inset). Regarding **claim 20**, Ross et al. disclose that the guide is a first guide ("30a") engageable with the first mounting member to guide movement of the first retaining member into position between the first and second vertebrae, one of the second retaining member and second mounting member including a second guide ("30a") engageable with another of the second retaining member and the second mounting member to guide movement of the second retaining member into position between the first and second vertebrae (Fig. 3B inset; para. 0041 indicates that the location of the male "30a" and female "30b" dovetails can be reversed such that the first and second guides "30a" are located on the first "22" and second "24" retaining members). Regarding **claim 21**, Ross et al. disclose that the second retaining member includes the second guide engageable with the second mounting member (Fig. 3B inset). Regarding **claim 22**, Ross et al. disclose that

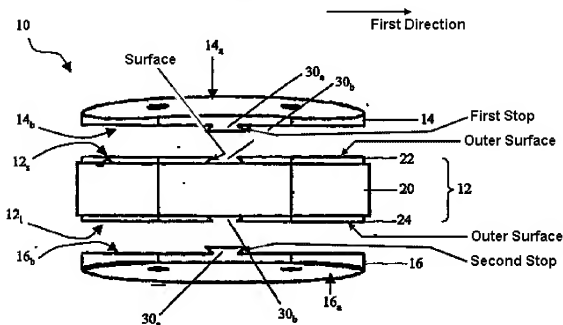
the second guide extends from the outer surface of the second retaining member and is engageable with the second vertebra (Fig. 3B inset; if one so desired, one could engage the second guide with the second vertebra). Regarding **claim 25**, Ross et al. disclose that the first retaining member includes a first stop engageable with the first mounting member to prevent relative movement between the first retaining member and the first mounting member in a first direction, the second retaining member including a second stop engageable with the second mounting member to prevent relative movement between the second retaining member and the second mounting member in a first direction (Fig. 3B inset; keep in mind the reversal of the dovetails "30a" and "30b"). Regarding **claim 26**, Ross et al. disclose that the first stop guides movement of the first retaining member relative to the first mounting member in a direction extending transverse to the first direction, the second stop guiding movement of the second retaining member relative to the second mounting member in a direction extending transverse to the first direction (the retaining members would be able to move into the page but not side-to-side). Regarding **claim 30**, Ross et al. disclose that the first mounting member includes an inner surface (lower surface of "14") facing the core and spaced from the core, the core deflecting into engagement (indirect engagement through contact with the retaining member) with the inner surface of the first mounting member upon relative movement between the first and second retaining members, the second mounting member includes an inner surface (upper surface of "16") facing the core and spaced from the core, the core deflecting into engagement with the inner surface of the second mounting member upon relative movement between the first and

second retaining members (Fig. 3B inset). Regarding **claim 32**, Ross et al. disclose that the first and second mounting members are prevented from moving relative to the artificial disc when the first and second mounting members are connected to the artificial disc (para. 0043). Regarding **claim 33**, Ross et al. disclose that the first and second mounting members are connected to the artificial disc with interference fits (para. 0041). Regarding **claim 34**, Ross et al. disclose that the first and second mounting members have frustoconical surfaces engageable with frustoconical surfaces on the artificial disc (the male and female dovetails are frustoconical surfaces). Regarding **claim 41**, Ross et al. disclose that the first retaining member includes a portion engageable with a surgical tool for inserting the artificial disc between the vertebrae (para. 0047). Regarding **claim 42**, Ross et al. disclose that the second retaining member includes a portion engageable with a surgical tool for inserting the artificial disc between the vertebrae (para. 0047). Regarding **claim 43**, Ross et al. disclose that the portion of the first retaining member includes an opening into which a portion of the surgical tool extends (para. 0047). Regarding **claim 44**, Ross et al. disclose that the second retaining member includes a portion with an opening into which a second portion of the surgical tool extends (para. 0047). Regarding **claim 45**, Ross et al. disclose that the guide is a rib (Fig. 3B inset). Regarding **claim 46**, Ross et al. disclose that the first mounting member ("14") extends out of the first vertebra into engagement with the first retaining member (top part of "12") (Fig. 7). Regarding **claim 47**, Ross et al. disclose that the first mounting member includes a surface extending toward the outer surface of the first retaining member, the surface of the first mounting

member engaging the guide to guide movement of the artificial disc into position between the first and second vertebrae (Fig. 3B inset; keep in mind the reversal of the dovetails "30a" and "30b").

Ross et al. (US 2003/0187506 A1)

FIGURE 3B



Claims 1, 9-11, 14, and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Harrington (US 5,893,889 A). Regarding **claim 1**, Harrington discloses an apparatus for replacing a damaged spinal disc in a spinal column, the apparatus comprising: an artificial disc, the artificial disc including a resilient core ("68") having a first surface and a second surface, a first retaining member ("54") connected to the first surface of the resilient core, and a second retaining member ("34") connected to the second surface of the resilient core, the first retaining member having an outer surface

engageable with a first vertebra of the spinal column (if one so desired, one could engage the outer surface with a first vertebra) and an inner surface facing the first surface of the resilient core, the second retaining member having an outer surface engageable with a second vertebra of the spinal column and an inner surface facing the second surface of the resilient core, the outer surfaces of the first and second retaining members facing away from each other; and a first mounting member ("32") connectable with the first vertebra and the artificial disc to position the artificial disc between the first and second vertebrae, the first mounting member being engageable with the artificial disc after being connected to the first vertebra to guide movement of the artificial disc into position between the first and second vertebrae (if one so desired, one could insert the apparatus in pieces, and because the mounting member has pins "38", it could be attached to a vertebra independently of screws "64" and "66"), the first retaining member including a guide (threads of "55") with an outer surface that extends outwardly from the outer surface of the first retaining member and that is engageable with the first mounting member to guide movement of the first retaining member into position between the first and second vertebrae (if one so desired, one could place the guide "66" through the retaining member "54" such that the guide can guide the retaining member into position) (Fig. 2). Regarding **claim 9**, Harrington discloses that one of the first retaining member and the first mounting member includes a guide ("50") engageable with another of the first retaining member and the first mounting member to guide movement of the first mounting member into an opening ("55") in the first retaining member (Fig. 2). Regarding **claim 10**, Harrington discloses that the first retaining

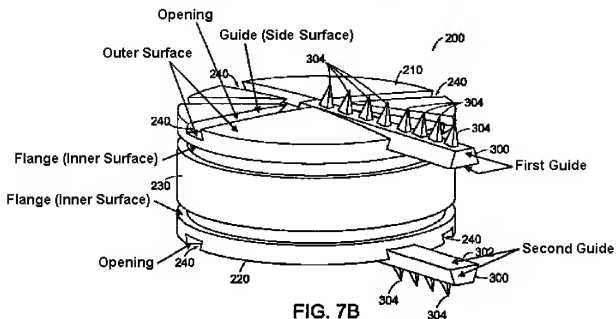
member has an opening ("55") extending through the inner and outer surfaces of the first retaining member, the first mounting member extending into the opening (Fig. 2). Regarding **claim 11**, Harrington discloses that the opening extends axially through the inner and outer surfaces of the first retaining member (Fig. 2). Regarding **claim 14**, Harrington discloses that the first mounting member includes an inner surface (lower surface of "32") facing the core and spaced from the core, the core deflecting into engagement (indirect engagement through contact with the retaining member) with the inner surface of the first mounting member upon relative movement between the first and second retaining members. Regarding **claim 15**, Harrington disclose that the inner surface of the first mounting member is concave ("51") (Fig. 2).

Claims 1, 19, 27, 37, and 38 are rejected under 35 U.S.C. 102(e) as being anticipated by Fraser et al. (US 7,060,097 B2). Regarding **claim 1**, Fraser et al. disclose an apparatus for replacing a damaged spinal disc in a spinal column, the apparatus comprising: an artificial disc, the artificial disc including a resilient core ("230") having a first surface and a second surface, a first retaining member ("210") connected to the first surface of the resilient core, and a second retaining member ("220") connected to the second surface of the resilient core, the first retaining member having an outer surface (Fig. 7B inset) engageable with a first vertebra of the spinal column and an inner surface facing the first surface of the resilient core, the second retaining member having an outer surface engageable with a second vertebra of the spinal column and an inner surface facing the second surface of the resilient core, the outer surfaces of the first and second retaining members facing away from each other; and a

first mounting member ("300") connectable with the first vertebra and the artificial disc to position the artificial disc between the first and second vertebrae, the first mounting member being engageable with the artificial disc after being connected to the first vertebra to guide movement of the artificial disc into position between the first and second vertebrae (if one so desired, one could insert the mounting member prior to engaging the mounting member with the retaining member), the first retaining member including a guide (Fig. 7B inset) with an outer surface that extends outwardly from the outer surface of the first retaining member and that is engageable with the first mounting member to guide movement of the first retaining member into position between the first and second vertebrae (Fig. 7B inset). Regarding **claim 19**, Fraser et al. disclose a second mounting member ("300") connectable with the second vertebra and the artificial disc to position the artificial disc between the first and second vertebrae, the second mounting member being engageable with the artificial disc to guide movement of the second retaining member into position between the first and second vertebrae (Fig. 7B inset). Regarding **claim 27**, Fraser et al. disclose that one of the first retaining member and the first mounting member includes a first guide (Fig. 7B inset) engageable with another of the first retaining member and the first mounting member to guide movement of the first mounting member into an opening (Fig. 7B inset) in the first retaining member, one of the second retaining member and the second mounting member including a second guide (Fig. 7B inset) engageable with another of the second retaining member and the second mounting member to guide movement of the second retaining member into an opening (Fig. 7B inset) in the second retaining member (Fig.

7B inset). Regarding **claim 37**, Fraser et al. disclose that one of the first and second retaining members includes a flange (Fig. 7B inset) extending toward another of the first and second retaining members, the flange having a radially inner surface facing the core and spaced from the core, the core deflecting into engagement with the radially inner surface upon relative movement between the first and second retaining members (because the core is flexible, if one so desired, one could compress the apparatus to deflect the core into engagement with the inner surface). Regarding **claim 38**, Fraser et al. disclose that the first retaining member includes the flange extending toward the second retaining member, the core deflecting into engagement with the radially inner surface of the flange upon relative movement between the first and second retaining members, the second retaining member including a flange (Fig. 7B inset) extending toward the first retaining member, the flange of the second retaining member having a radially inner surface facing the core and spaced from the core, the core deflecting into engagement with the radially inner surface of the flange of the second retaining member upon relative movement between the first and second retaining members.

Fraser et al. (US 7,060,097 B2)



Claims 1, 19, 28, and 29 are rejected under 35 U.S.C. 102(e) as being anticipated by Ross et al. (US 2003/0187506 A1). The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

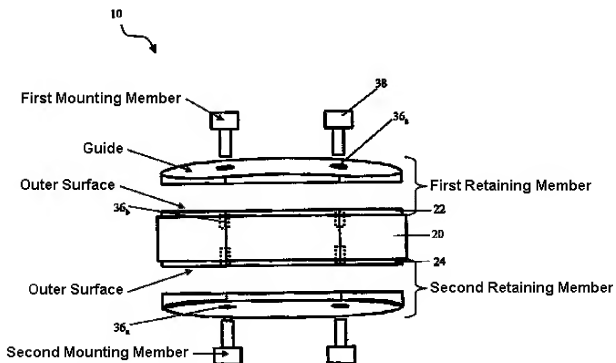
Regarding **claim 1**, Ross et al. disclose an apparatus for replacing a damaged spinal disc in a spinal column, the apparatus comprising: an artificial disc, the artificial disc including a resilient core ("20") having a first surface and a second surface, a first

retaining member (Fig. 5 inset) connected to the first surface of the resilient core, and a second retaining member (Fig. 5 inset) connected to the second surface of the resilient core, the first retaining member having an outer surface (Fig. 5 inset) engageable with a first vertebra of the spinal column (if one so desired, one could engage the outer surface with a first vertebra) and an inner surface facing the first surface of the resilient core, the second retaining member having an outer surface (Fig. 5 inset) engageable with a second vertebra of the spinal column (if one so desired, one could engage the outer surface with a second vertebra) and an inner surface facing the second surface of the resilient core, the outer surfaces of the first and second retaining members facing away from each other; and a first mounting member (Fig. 5 inset) connectable with the first vertebra and the artificial disc to position the artificial disc between the first and second vertebrae, the first mounting member being engageable with the artificial disc after being connected to the first vertebra to guide movement of the artificial disc into position between the first and second vertebrae, the first retaining member including a guide (Fig. 5 inset) with an outer surface that extends outwardly from the outer surface of the first retaining member and that is engageable with the first mounting member to guide movement of the first retaining member into position between the first and second vertebrae. Regarding **claim 19**, Ross et al. disclose a second mounting member (Fig. 5 inset) connectable with the second vertebra and the artificial disc to position the artificial disc between the first and second vertebrae, the second mounting member being engageable with the artificial disc to guide movement of the second retaining member into position between the first and second vertebrae. Regarding **claim 28**, Ross et al.

disclose that the first retaining member has an opening ("36b") extending through the inner and outer surfaces of the first retaining member, the first mounting member extending into the opening in the first retaining member, the second retaining member having an opening (not labeled equivalent of "36b") extending through the inner and outer surfaces of the second retaining member, the second mounting member extending into the opening in the second retaining member (Fig. 5 inset). Regarding **claim 29**, Ross et al. disclose that the opening in the first retaining member extends axially through the inner and outer surfaces of the first retaining member, the opening in the second retaining member extends axially through the inner and outer surfaces of the second retaining member (Fig. 5 inset).

Ross et al. (US 2003/0187506 A1)

FIGURE 5



Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 5, 6, 23, 24, 31, 39, and 40 are rejected under 35 U.S.C. 103(a) as being obvious over Ross et al. (US 2003/0187506 A1; the rejection referencing Fig. 3B). Regarding **claim 23**, Ross et al. disclose that one of the second retaining member and second mounting member include a third guide ("30a") engageable with another of the second retaining member and the second mounting member to guide movement of the second retaining member into position between the first and second vertebrae (Fig. 3B inset; para. 0041 indicates that the location of the male "30a" and female "30b" dovetails can be reversed such that the first and second guides "30a" are located on the first "22" and second "24" retaining members). Regarding **claims 5 and 23**, Ross et al. fail to disclose that the first retaining member also includes a second guide engageable with the first mounting member to guide movement of the first retaining member into position between the first and second vertebrae (claim 5) and that the first retaining member also includes a second guide engageable with the first mounting member to guide movement of the first retaining member into position between the first and second vertebrae, one of the second retaining member and second mounting member including a fourth guide engageable with another of the second retaining member and second

mounting member to guide movement of the second retaining member into position between the first and second vertebrae (claim 23). It would have been obvious to one of ordinary skill in the art at the time the invention was made to construct the Ross et al. retaining member with a second guide and a fourth guide, since it has been held that mere duplication of the essential working parts of a device involves only routine skill in the art. *St. Regis Paper Co. v. Bemis Co.*, 193 USPQ 8. Regarding **claim 24**, Ross et al. disclose that the second retaining member includes the third guide (and per the analysis of claim 23 above, it would have been obvious for the second retaining member to include the fourth guide). Regarding **claims 6 and 24**, Ross et al. fail to disclose that the first and second guides extend generally parallel to each other (claim 6) and that the first and second guides extend generally parallel to each other, the third and fourth guides extending generally parallel to each other (claim 24). However, it would have been obvious to one of ordinary skill in the art to construct the first and second guides such that they are generally parallel to each other and the third and fourth guides such that they are generally parallel to each other as doing so would be required to maintain function of the device (slidable mating of "22" with "14" and "24" with "16"). Regarding **claim 31**, Ross et al. fail to disclose that the inner surfaces of the first and second mounting members are concave. It would have been an obvious matter of design choice to one skilled in the art at the time the invention was made to form the inner surfaces of the first and second mounting members such that they are concave, since applicant has not disclosed that such solve any stated problem or is anything more than one of numerous shapes or configurations a person ordinary skill in

the art would find obvious for the purpose of providing inner surfaces of the mounting members. *In re Dailey and Eilers*, 149 USPQ 47 (1966). Regarding **claims 39 and 40**, Ross et al. fail to disclose that the inner surface of the first retaining member is concave, the first surface of the resilient core being convex (claim 39) and that the inner surface of the second retaining member is concave, the second surface of the resilient core being convex (claim 40). It would have been an obvious matter of design choice to one skilled in the art at the time the invention was made to construct the inner surfaces of the first and second retaining members such that they are concave and the first and second surfaces of the resilient core such that they are convex, since applicant has not disclosed that such solve any stated problem or is anything more than one of numerous shapes or configurations a person ordinary skill in the art would find obvious for the purpose of providing the retaining members and the resilient core with complementary surfaces. *In re Dailey and Eilers*, 149 USPQ 47 (1966).

Claims 35 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harrington (US 5,893,889 A) in view of Baumgartner (US 5,370,697 A). Harrington discloses that the core includes a radially outer surface (side surface of "68" in Fig. 2) extending between the first and second surfaces of the core. Harrington fails to disclose that the radially outer surface faces a portion of one of the first and second retaining members, the radially outer surface being spaced from the portion of the one of the first and second retaining members, the core deflecting into engagement with the portion of one of the first and second retaining members upon relative movement between the first and second retaining members (claim 35) and that the radially outer

surface of the core faces a portion of the first retaining member, the radially outer surface of the core being spaced from the portion of the first retaining member, the core deflecting into engagement with the portion of the first retaining member upon relative movement between the first and second retaining members, the radially outer surface facing a portion of the second retaining member, the radially outer surface being spaced from the portion of the second retaining member, the core deflecting into engagement with the portion of the second retaining member upon relative movement between the first and second retaining members (claim 36). Baumgartner discloses an apparatus comprising first ("2" in Fig. 1a) and second ("3" in Fig. 1a) retaining members and a resilient core ("23" in Fig. 1a). The resilient core has a radially extending outer surface (side surface of "23" in Fig. 1a) wherein a portion ("21" in Fig. 1a) of each of the first and second retaining members faces and is spaced from the radially extending outer surface. Because the core is made from an elastomer (col. 3, lines 19-20), one could compress the apparatus sufficiently to deflect the core into engagement with the portion of each of the first and second retaining members. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Harrington such that the first and second retaining members have portions facing and spaced from the radially outer surface of the core, as suggested by Baumgartner, as such portions could be used as means to restrict movement between the retaining members.

Response to Arguments

Applicant's arguments with respect to claims 1-44 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julianna N. Harvey whose telephone number is 571-270-3815. The examiner can normally be reached on Mon. - Fri., 8:00 a.m. - 4:30 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eduardo Robert can be reached on 571-272-4719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. N. H./
Examiner, Art Unit 3733
//Eduardo C. Robert/
Supervisory Patent Examiner, Art Unit 3733